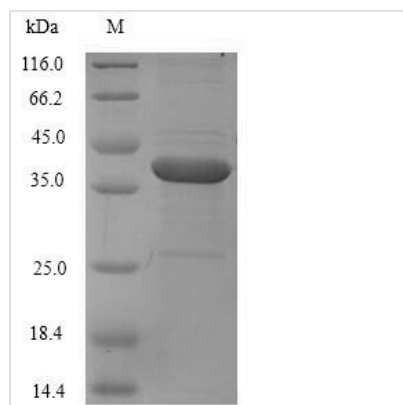




Recombinant Human Coagulation factor XI (F11), partial

Product Code	CSB-EP007916HU
Relevance	Factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX.
Abbreviation	Recombinant Human F11 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P03951
Alias	Plasma thromboplastin antecedent Short name:PTA Cleaved into the following 2 chains: Coagulation factor XIa heavy chain Coagulation factor XIa light chain
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ECVTQLLKDTCFEGGDITTVFTPSAKYCQVVCTYHPRCLLFTFTAESPSEDPTR WFTCVLKDSVTETLPRVNRATAISGYSFKQCSHQISACNKDIYVDLDMKGINYN SSVAKSAQECQERCTDDVHCHFFTYATRQFPSLEHRNICLLKHTQTGTPTTRIT KLDKVVSGFSLKSCALSNLACIRDIFPNTVFADSNIDSVMAPDAFVCGRICTHH PGCLFFTFSSQEWPKESQRNLCLLKTSEGLPSTRIKSKALSGFSLQSCRHSI PVFCHSSFYHDTDFLGEELDIVAAKSHEACQKLCTNAVRCQFFTYTPAQASCN EGKGKCYLKLSSNGSPTKILHGRGGISGYTLRLCKMDNECTTKIKPR
Research Area	Cardiovascular
Source	E.coli
Target Names	F11
Protein Names	Recommended name: Coagulation factor XI Short name= FXI EC= 3.4.21.27 Alternative name(s): Plasma thromboplastin antecedent Short name= PTA Cleaved into the following 2 chains: 1. Coagulation factor XIa heavy chain 2.
Expression Region	19-387aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	45.2kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Recombinant Human F11 protein offers an exceptional resource for researchers focusing on cardiovascular studies, specifically in the area of blood coagulation. Coagulation factor XI, also known as plasma thromboplastin antecedent (PTA), plays a vital role in the intrinsic pathway of the coagulation cascade, converting factor IX to its activated form, factor IXa.

This product presents a partial sequence of the human F11 protein (19-387aa), which is expressed in E.coli, ensuring the production of a high-quality recombinant protein. The N-terminal 6xHis tag enables seamless purification and detection in a variety of applications. With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Human F11 protein serves as a trustworthy reagent for your cardiovascular research. The lyophilized powder form allows for easy reconstitution and immediate use in your experiments.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.